

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0002] on page 1 as follows:

[0002] There is ~~the~~ conventional art in which an inner hole having a stepped portion is formed on a cam piece, a pipe-shaped shaft is inserted into this inner hole and then, a high-pressure fluid is injected into the shaft to expand it outward so that the shaft is accommodated in the stepped portion of the inner hole so as to fix the cam piece onto the shaft (See Japanese Patent Laid-Open No. 2003-314576, for example). According to this technique, the fastening strength between the cam piece and the shaft can be improved by a portion accommodated in the stepped portion of the shaft as a hook.

Please amend paragraph [0018] on pages 6-7 as follows:

[0018] Plurality of grooves 34 extending in a direction (which will be described later) in which the driving shaft 2 is inserted into the cam piece 3 are formed on the inner hole 31. The grooves 34 are formed so that they are arranged evenly on the inner hole 31. In the cam piece 3 shown in Figure 2, since a section of each of projection portions 35 arranged between the grooves 34 is formed in a rectangular shape in cross section, the section of the groove 34 is also formed in the rectangular shape in cross section. But by making the projection portions as ~~the~~ projection portion 35A with a trapezoidal section as shown in Figure 5A, a projection portion 35B with a triangular section as shown in Figure 5B or a projection portion 35C with a circular section as shown in Figure 5C, a similar effect can be obtained, even if the sectional shape of the grooves 34A, 34B, 34C arranged between each of them is changed as appropriate. A hardness of at least the inner hole 31 of the cam piece 3 is not less than Hv 350, though not limited to this, which is formed higher than the hardness of the outer circumferential surface of the driving shaft 2 (Hv 150 to 200). The groove 34 may be formed at the same time with the outer shape at molding of the cam piece 3, but the cam piece 3 may be sintered after forming by machining after molding of the outer shape of the cam piece 3.